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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/846,830	05/01/2001	Paul Andrew Moskowitz	YOR920000311 (1963-5013)	4970		
75	90 01/30/2004		EXAM	INER		
STEPHEN C.		HOOSAIN	HOOSAIN, ALLAN			
INTERNATIONAL BUSINESS MACHINES CORPORATION			ART UNIT	PAPER NUMBER		
P.O. BOX 218			ARTUNII	TATER NUMBER		
ROUTE 134/1101 KITCHAWAN ROAD			2645	2645		
YORKTOWN HEIGHTS, NY 10598			DATE MAIL ED: 01/20/2004			

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application	Application No.		
	09/846,830		MOSKOWITZ ET AL.	
Office Action Summary	Examiner	·	Art Unit	
•	Allan Hoosai		2645	
The MAILING DATE of this communication app Period for Reply	pears on the co	ver sheet with the c	orrespondence add	lress
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl' - If NO period for reply is specified above, the maximum statutory period of the period for reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, y within the statutory will apply and will ex	however, may a reply be tim y minimum of thirty (30) days pire SIX (6) MONTHS from to ton to become ABANDONED	nely filed swill be considered timely, the mailing date of this con (35 U.S.C. § 133).	
1) Responsive to communication(s) filed on <u>01 M</u>	<u>1ay 2001</u> .			
2a) ☐ This action is FINAL . 2b) ☑ This	action is non-	final.		
3) Since this application is in condition for alloware closed in accordance with the practice under E				merits is
Disposition of Claims				
4) ☐ Claim(s) 1-31 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-31 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o Application Papers 9) ☐ The specification is objected to by the Examine	wn from consi			
10)⊠ The drawing(s) filed on <u>01 May 2001</u> is/are: a)		or b) objected to t	by the Examiner.	
Applicant may not request that any objection to the	•	•	•	
Replacement drawing sheet(s) including the correct	tion is required i	f the drawing(s) is obj	ected to. See 37 CF	R 1.121(d).
11)☐ The oath or declaration is objected to by the Ex	kaminer. Note	the attached Office	Action or form PT	O-152.
Priority under 35 U.S.C. §§ 119 and 120				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domesti since a specific reference was included in the first 37 CFR 1.78. a) The translation of the foreign language pro 14) Acknowledgment is made of a claim for domesti reference was included in the first sentence of the	s have been rest have been rest documents of the certified ic priority underst sentence of existing application priority underst sentence of existing application priority underst sentence of existing application in the sentence of existing applic	eceived. eceived in Application s have been received 7.2(a)). If copies not received ar 35 U.S.C. § 119(e) the specification or cation has been received ar 35 U.S.C. §§ 120	on No d in this National S d. e) (to a provisional in an Application [eived. and/or 121 since a	application) Data Sheet.
Attachment(s)				
I) ⊠ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _	5)	Interview Summary (Notice of Informal Pa Other:		

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DETAILED ACTION

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 11-12 recite the limitation "the additional information" in lines 3 and 8 respectively. There is insufficient antecedent basis for this limitation in the claims.
- 3. Claims 1 and 6 recite the limitation "the entry modality" in lines 3 and 8 respectively.

 There is insufficient antecedent basis for this limitation in the claims.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

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6. Claims 1-2, 4-7,9-10 and 19-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Masek (US 5,272,749) in view of Enzmann et al. (US 6,320,946).

As to Claim 1, with respect to Figure 1, **Masek** teaches a method for connecting a user to a telephone number, comprising the steps of:

- a) receiving a phone address entered by a caller (Col. 8, lines 64-67);
- b) determining special feature access (the entry modality) used by said caller to enter the received phone address (Col. 9, lines 3-6, 27-29);
- c) decoding said received phone address according to the determined entry modality (Col. 9, lines 42-58);
- d) consulting a SFAS translation library (reference table) using the decoded phone address, said reference table being updated by a CO translation library (centralized master reference table) (Col. 8, lines 34-30 and Col. 9, lines 45-54); and
- e) connecting the caller to the telephone number that results from said step of consulting the reference table (Col. 10, lines 33-40);

Masek does not teach the following limitation:

"periodically updated"

Enzmann teaches a SMS computer (centralized master reference table) periodically updating an information server (reference table) (Col. 12, lines 28-34 and Col. 14, lines 31-38,50-54). Having the cited art at the time the invention was made, it would have been obvious to one of ordinary skill in the art to add periodic update capability to Masek's invention for

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updating databases with recent information as taught by **Enzmann's** invention in order to provide choices for updating databases.

As to Claims 2,7, Masek teaches the method of claim 1, wherein the decoded phone address is an ambiguous phone address (Col. 8, lines 64-67 and Col. 19, line 62 through Col. 20, line 2).

As to Claims 4-5,9-10, **Masek** teaches the method of claim 1 wherein said reference table is a lookup table (Col. 9, lines 49-54).

As to Claims 6, 19-21, with respect to Figure 1, **Masek** teaches a system for connecting a user to a telephone number, comprising:

a memory, 40, having program code stored therein (Figure 1 and Col. 9, lines 3-20); and a processor, 14, connected to said memory for carrying out instructions in accordance with stored program code (Figure 1 and Col. 9, lines 3-20);

wherein said program code, when executed by said processor, causes said processor to perform the steps of:

- a) receiving a phone address entered by a caller (Col. 8, lines 64-67);
- b) determining the entry modality used by said caller to enter the received phone address (Col. 9, lines 3-6, 27-29);
- c) decoding said received phone address according to the determined entry modality (Col. 9, lines 42-58);

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d) consulting a reference table using the decoded phone address, said reference table being updated by a centralized master reference table (Col. 8, lines 34-30 and Col. 9, lines 45-54); and

e) connecting the caller to the telephone number that results from said step of consulting the reference table (Col. 10, lines 33-40);

Masek does not teach the following limitation:

"periodically updated"

Enzmann teaches a SMS computer (centralized master reference table) periodically updating an information server (reference table) (Col. 12, lines 28-34 and Col. 14, lines 31-38,50-54). Having the cited art at the time the invention was made, it would have been obvious to one of ordinary skill in the art to add periodic update capability to Masek's invention for updating databases with recent information as taught by Enzmann's invention in order to provide choices for updating databases.

7. Claims 3,8 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Masek** in view of **Enzmann** and further in view of **Clitherow** (US 5,479,494).

As to Claims 3,8, Masek teaches the method of claim 2 wherein said step of consulting the reference table further includes consulting said table;

Masek does not teach the following limitation:

"using additional information specified by an ambiguity resolving parameter, and wherein said step of connecting the caller is not performed if no telephone number results from said step of consulting"

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Clitherow teaches using external database entries (additional information) by card issuer prefixes (an ambiguity resolution parameter) and not connecting a caller if a telephone number is not found (Figure 4, labels 318320,308). Having the cited art at the time the invention was made, it would have been obvious to one of ordinary skill in the art to add ambiguity resolving capability to Masek's invention for matching dialed virtual numbers as taught by Clitherow's invention in order to provide assistance to callers when placing calls to virtual numbers.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 11-18,22-31 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Riskin (US 4,817,129).

As to Claims 1 1,13,15, with respect to Figure 14, **Riskin** teaches a method for determining telephone numbers, comprising the steps of:

- a) receiving from a caller an ambiguous phone address (Col. 20, lines 15-20);
- b) collecting the additional information specified by a collision (an ambiguity resolving parameter) (Col. 20, lines 8-12 and Col. 16, lines 37-56); and
- c) determining, using said additional information, whether said phone address resolves to a telephone number (Col. 16, lines 51-56).

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As to Claims 12,14,17,30-31, with respect to Figure 14, **Riskin** teaches a system for determining telephone numbers, comprising:

a memory having program code stored therein (Figure 14, label 42); and a processor connected to said memory for carrying out instructions in accordance with stored program code (Figure 1, label 16);

wherein said program code, when executed by said processor, causes said processor to perform the steps of:

- a) receiving from a caller an ambiguous phone address (Figure 14, label 40);
- b) collecting the additional information specified by a collision (an ambiguity resolving parameter) (Figure 14, label 48); and
- c) determining, using said additional information, whether said phone address resolves to a telephone number (Figure 14, label 50).

As to Claims 16,18, **Riskin** teaches the method of claim 11, wherein said ambiguous phone address maps to more than one telephone number (Figure 14, label 48).

As to Claims 22,26, **Riskin** teaches the method of claim 11, wherein said additional information is the caller's present location (Col. 5, lines 45-54).

As to Claims 23,27, **Riskin** teaches the method of claim 11, wherein said additional information is the telephone number the call is being placed from (Col. 11, lines 45-54).

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As to Claims 24,28, **Riskin** teaches the method of claim 11, wherein said additional information is the identity of the caller (Col. 11, lines 45-54).

As to Claims 25,29, **Riskin** teaches the method of claim 11, wherein said additional information is the caller's response to one or more queries (Col. 16, lines 50-56).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Borges et al. (US 4,839,919) teach a telephone which processes alpha-numeric inputs and returns telephone numbers.

Reding et al. (US 5,812,657) teach an operator workstation which receives and converts vanity numbers into actual telephone numbers.

7. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231 or faxed to:

(703) 872-9314, (for formal communications intended for entry)

Or:

(703) 306-0377 (for customer service assistance)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Allan Hoosain** whose telephone number is (703) 305-4012. The examiner can normally be reached on Monday to Friday from 7 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Fan Tsang**, can be reached on (703) 305-4895.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Allan Hoosain Primary Examiner 1/15/04